REMARKS

The specification is amended to correct a clerical error.

Claims 1, 2 and 4 are rejected under 35 U.S.C. § 102(e) as being anticipated by Chauvel, et al. Claim 3 is rejected under 35 U.S.C. § 112, second paragraph, as being indefinite. In view of the amendments to the claims and the following remarks, the rejections are respectfully traversed, and reconsideration of the rejections is requested.

In accordance with the applicants' invention, an MPEG decoder includes an on-screen-display (OSD) controller which transforms OSD object data into pixel data. The OSD object data is considered to be either related to caption information or not related to caption information, that is, non-caption information. When a caption function is being performed, the OSD object data is considered to be data transformed from caption information, and when a non-caption function is performed, the OSD object data is considered data for displaying non-caption OSD characters. The claims are amended to incorporate this subject matter of the invention, namely, the processing of OSD object data depending upon whether it is related to caption information or non-caption information. It is taken from original claim 3, with the claim language clarification required by the Examiner in connection with the rejection of claim 3 under 35 U.S.C. § 112, second paragraph. It is believed that the language is clarified to overcome the rejection under 35 U.S.C. § 112, second paragraph. Furthermore, since claim 3 is not rejected based on prior art, it is believed that with the amendment to claim 1, the pending claims (claims 1, 2 and 4) are in allowable condition.

With regard to Chauvel, et al., an audio and video decoder circuit and system are disclosed. Chauvel, et al. fail to teach or suggest the invention set forth in the amended claims. Specifically, Chauvel, et al. fail to teach or suggest the OSD object data being considered transformed from caption information when a caption function is performed and being considered data for displaying non-caption OSD characters when a non-caption function is performed. Accordingly, it is believed that the amended claims are allowable over Chauvel, et al., and reconsideration of the rejections of claims 1, 2 and 4 under 35 U.S.C. § 102(e) based on Chauvel, et al. is respectfully requested.
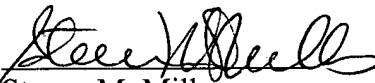
Applicant(s): Han Ju Yu, *et al.*
U.S. Serial No.: 09/484,974

Attached hereto is a marked-up version of the changes made to the claims by the current Amendment. The attached pages are captioned "Version with Markings to Show Changes Made."

In view of the amendments to the claims and the foregoing remarks, it is believed that all claims pending in the application and under consideration (claims 1, 3, 7, 8 and 21-24) are in condition for allowance, and such allowance is respectfully solicited. If a telephone conference will expedite prosecution of the application, the Examiner is invited to telephone the undersigned.

Respectfully submitted,

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Version with Markings to Show Changes Made

In the Specification

The paragraph at page 5, lines 3-10 has been amended as follows:

(Amended) The OSD controller 280 includes an OSD buffer 282 and an OSD processor 284. The OSD controller 280 transforms the OSD object data OSD_OBJ output from the CPU 270 into pixel data in response to the OSD enable signal OSD_EN and outputs the pixel data to the video mixer 250. The video mixer 250 mixes a video signal decoded by the video decoder 230 with the pixel data output from the OSD controller 280. The video encoder [230]290 encodes the data output from the video mixer 250 and outputs the encoded data via a video output terminal V_OUT. An audio signal output via the audio output terminal A_OUT and a video signal output via the video output terminal V_OUT are reproduced on a television monitor.

In the Claims

Claim 3 has been canceled.

The claims have been amended as follows:

1. (Amended) A moving picture experts group (MPEG) decoder for producing a caption for display on a screen, said decoder producing a video stream from an externally-applied MPEG stream, the decoder comprising:

    a video decoder for decoding the video stream and extracting user data from header information of the video stream;

    a header memory for storing the user data;

    a central processing unit (CPU) for (i) producing caption data by decoding the user data and (ii) transforming the caption data into on-screen-display (OSD) object data;

    an OSD controller for transforming the OSD object data into pixel data in response to a predetermined enable signal and outputting the pixel data; and

a video mixer for mixing the pixel data with the decoded video data;

wherein the OSD object data is considered data transformed from caption information when a caption function is performed, and considered data for displaying non-caption OSD characters when a non-caption function is performed.

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